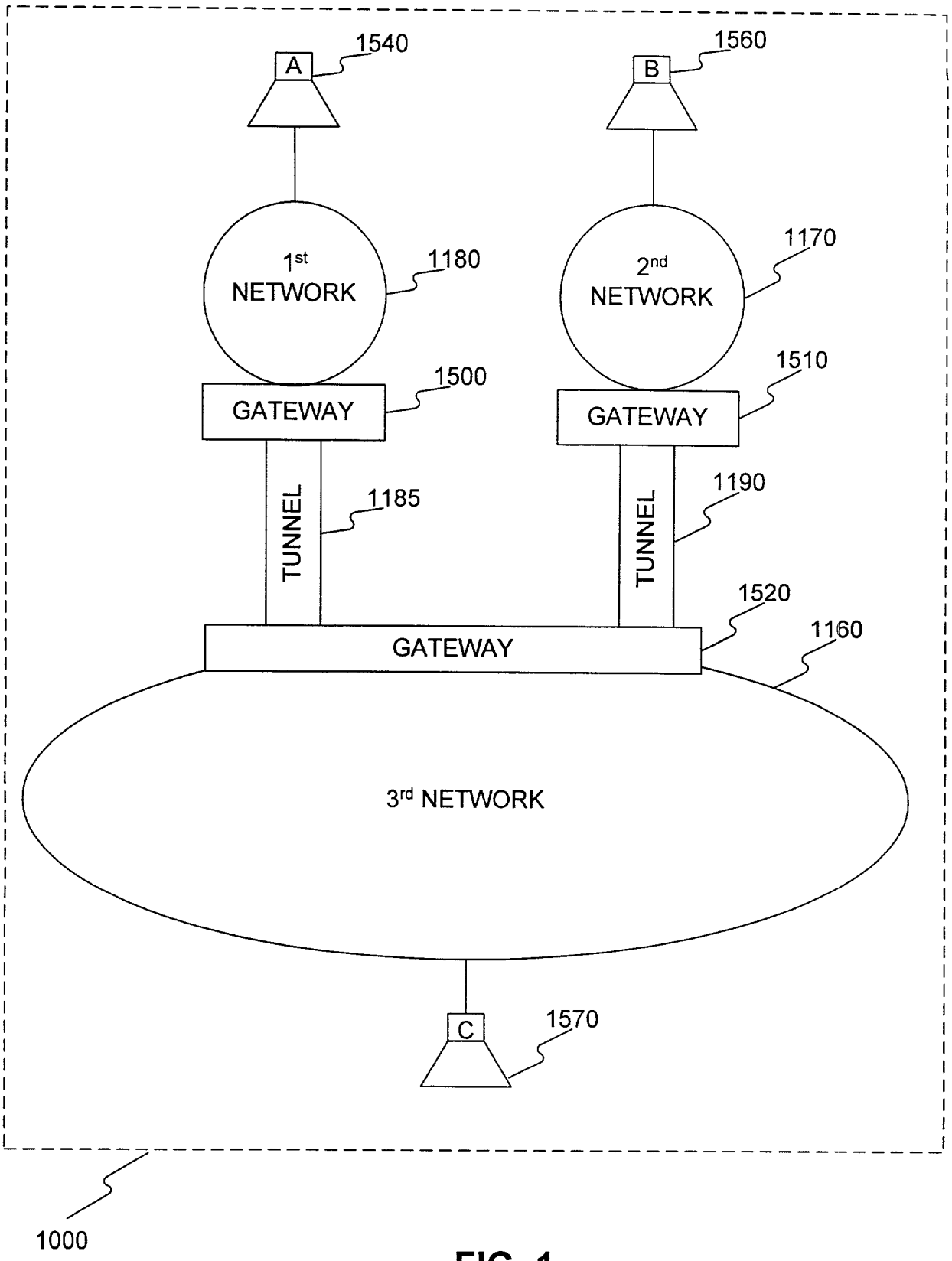
A
1540
B
1560
1st NETWORK
1180
2nd NETWORK
1170
GATEWAY
1500
GATEWAY
1510
TUNNEL
1185
TUNNEL
1190
GATEWAY
1520
1160
3rd NETWORK
C
1570
1000

FIG. 1

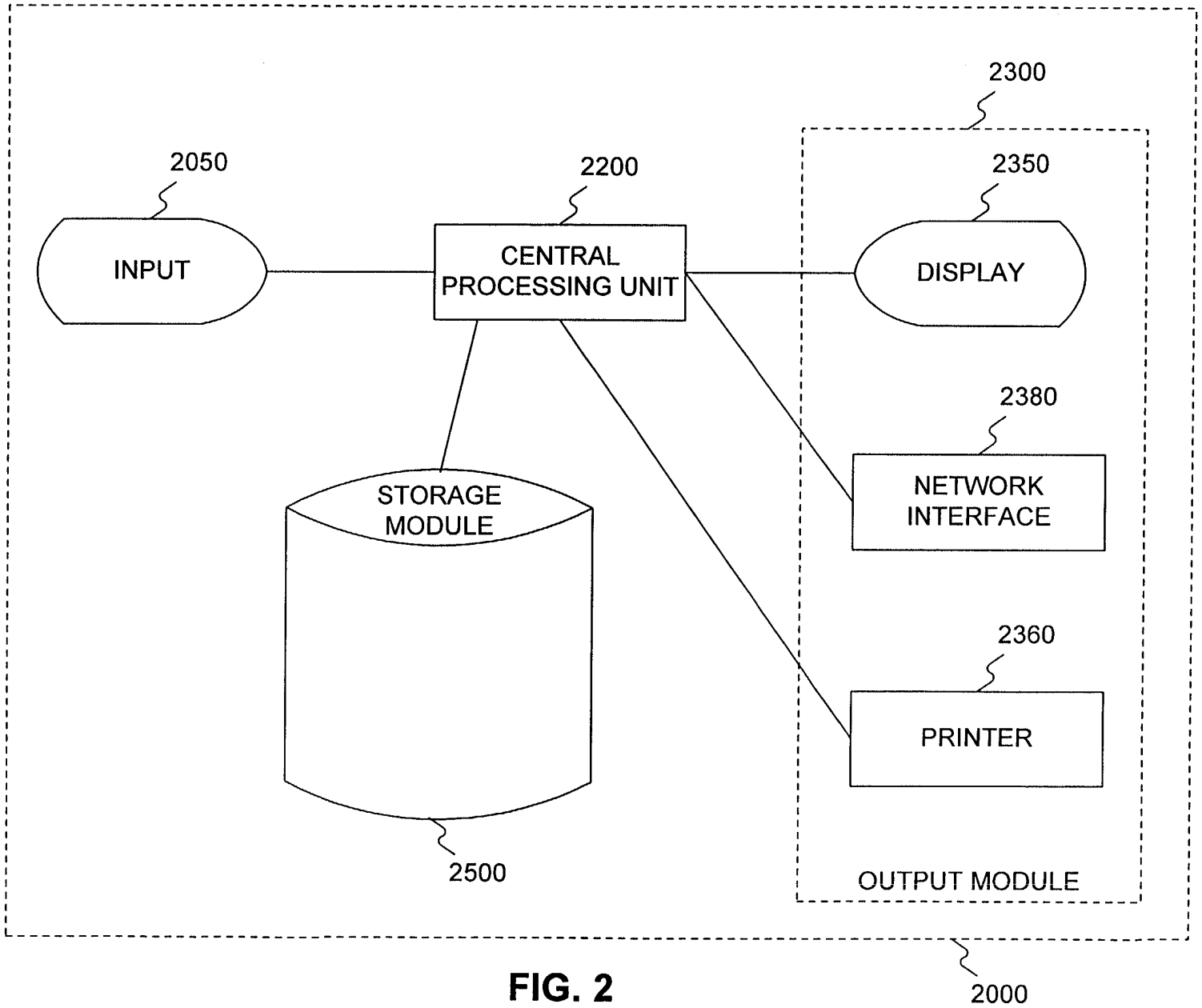
2300
2050
2200
2350
INPUT
CENTRAL PROCESSING UNIT
DISPLAY
2380
NETWORK INTERFACE
STORAGE MODULE
2360
PRINTER
2500
OUTPUT MODULE
2000

FIG. 2

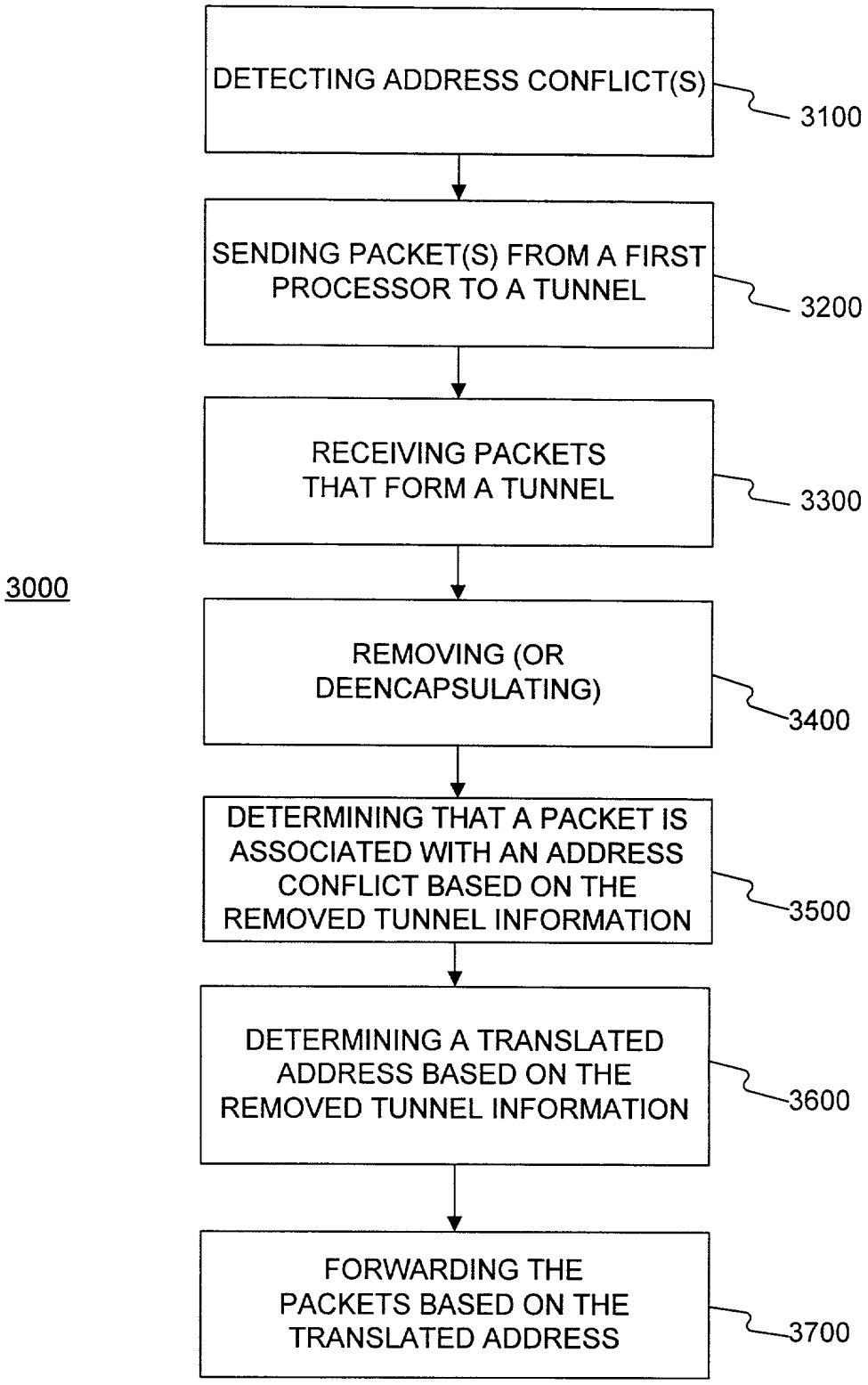
DETECTING ADDRESS CONFLICT(S)
3100
SENDING PACKET(S) FROM A FIRST PROCESSOR TO A TUNNEL
3200
RECEIVING PACKETS THAT FORM A TUNNEL
3300
3000
REMOVING (OR DEENCAPSULATING)
3400
DETERMINING THAT A PACKET IS ASSOCIATED WITH AN ADDRESS CONFLICT BASED ON THE REMOVED TUNNEL INFORMATION
3500
DETERMINING A TRANSLATED ADDRESS BASED ON THE REMOVED TUNNEL INFORMATION
3600
FORWARDING THE PACKETS BASED ON THE TRANSLATED ADDRESS
3700

FIG. 3

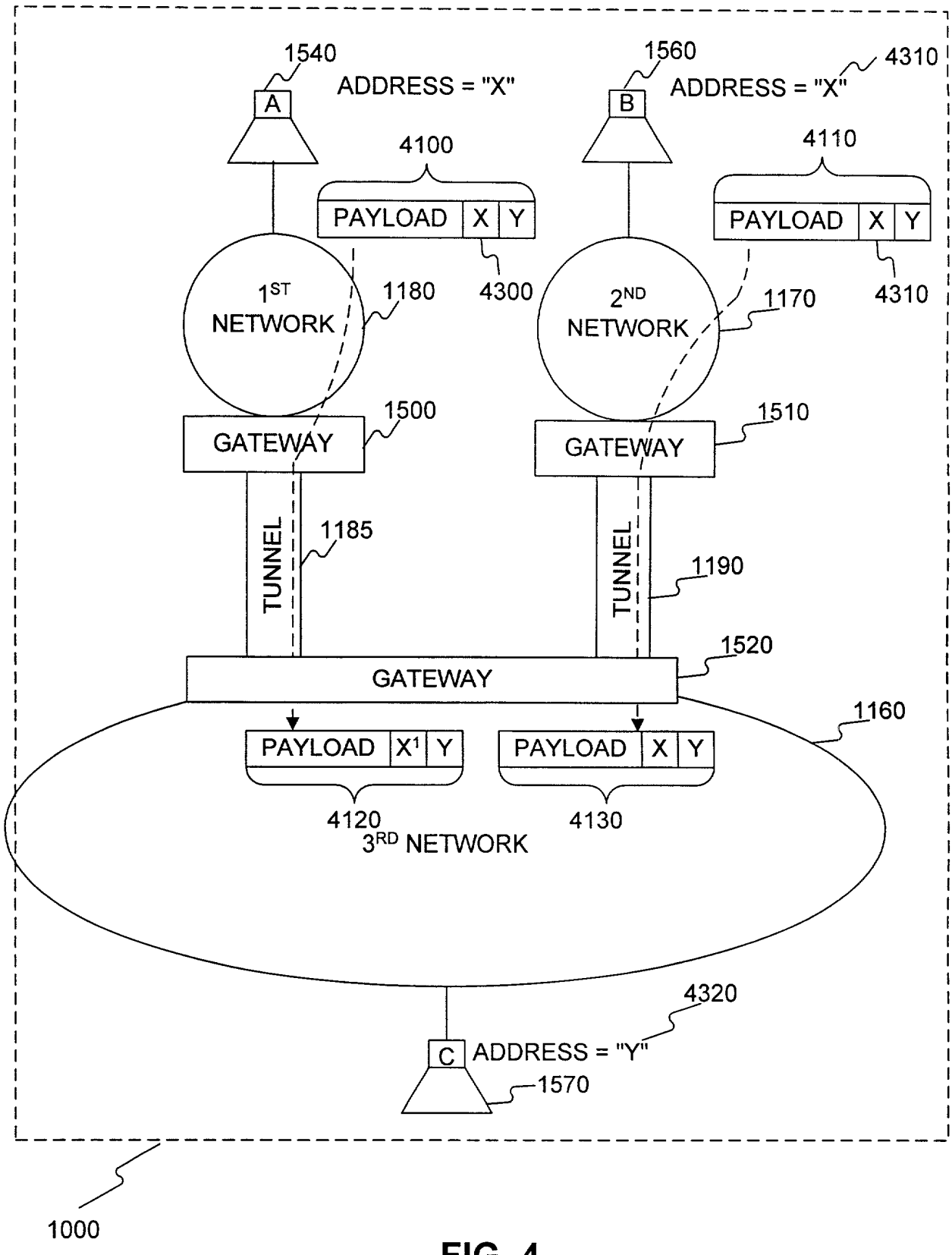
1540
ADDRESS = "X"
A
4100
PAYLOAD
X
Y
1560
ADDRESS = "X"
4310
B
4110
PAYLOAD
X
Y
1ST NETWORK
1180
4300
2ND NETWORK
1170
4310
GATEWAY
1500
GATEWAY
1510
TUNNEL
1185
TUNNEL
1190
GATEWAY
1520
1160
PAYLOAD
X1
Y
PAYLOAD
X
Y
4120
4130
3RD NETWORK
4320
C
ADDRESS = "Y"
1570
1000

FIG. 4

GATEWAY C

PROCESSOR NAME	LOCAL ADDRESS	TUNNEL INFO	TRANSLATED ADDRESS
A	"X"	"10"	"X"
B	"X"	"11"	"X1"

5000

FIG. 5

20704D 99E8200T

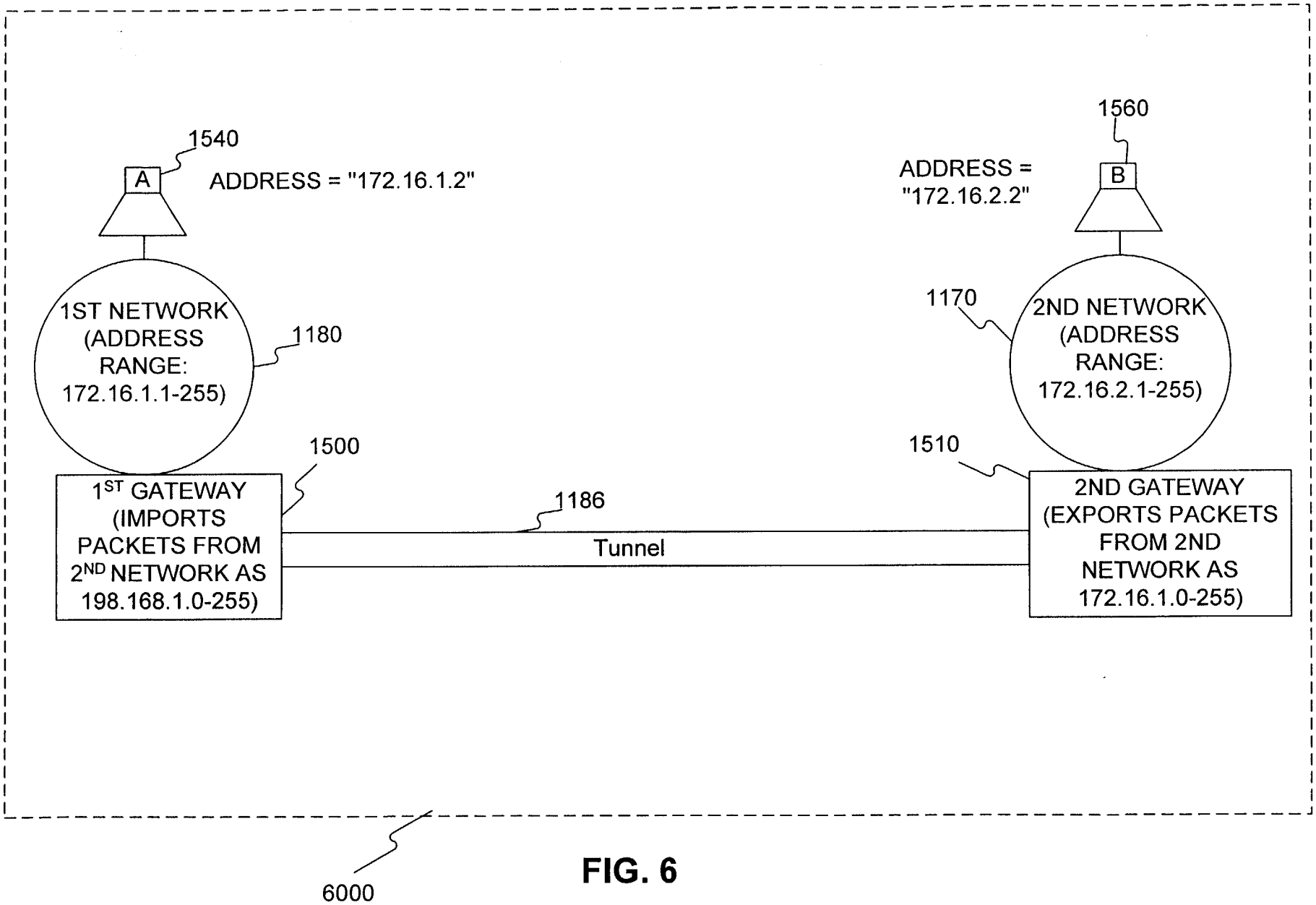

FIG. 6